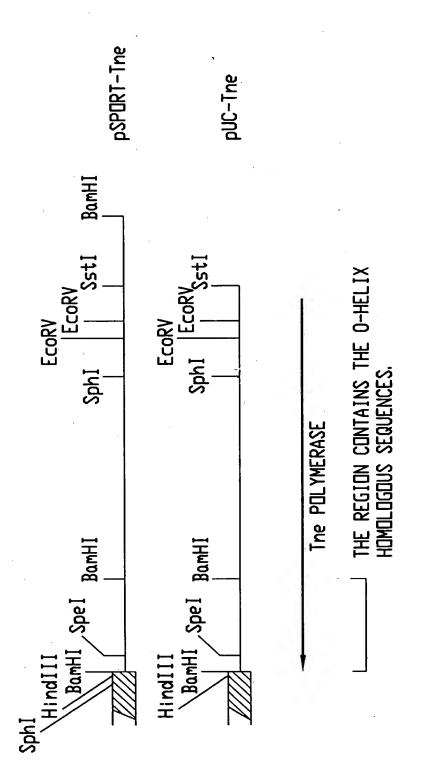
ppl. No. 09/677,574; Filed: October 3, 2000 Dkt. No. 0942.4500004/RWE/BJD; Group Art Unit: 1652 Inventor(s): Yang et al.; Tel: 202/371-2600 Title: High Fidelity Polymerases and Uses Thereof

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F16.1

ppl. No. 09/677,574; Filed: October 3, 2000 Dkt. No. 0942.4500004/RWE/BJD; Group Art Unit: 1652 Inventor(s): Yang èt al.; Tel: 202/371-2600

Title: High Fidelity Polymerases and Uses Thereof

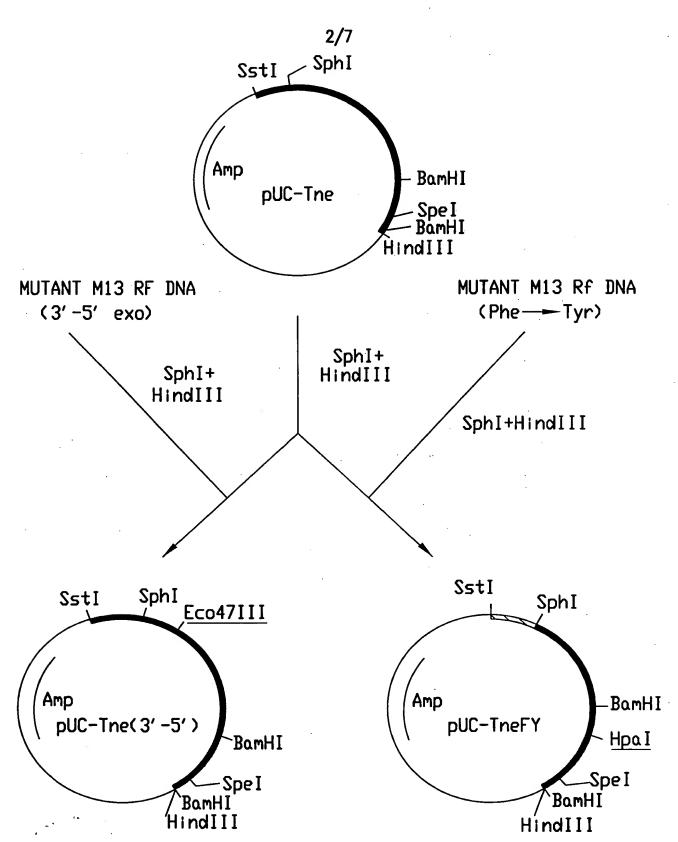


FIG.2A

1. No. 09/677,574; Filed: October 3, 2000 Dkt. No. 0942.4500004/RWE/BJD; Group Art Unit: 1652 Inventor(s): Yang et al.; Tel: 202/371-2600 Title: High Fidelity Polymerases and Uses Thereof

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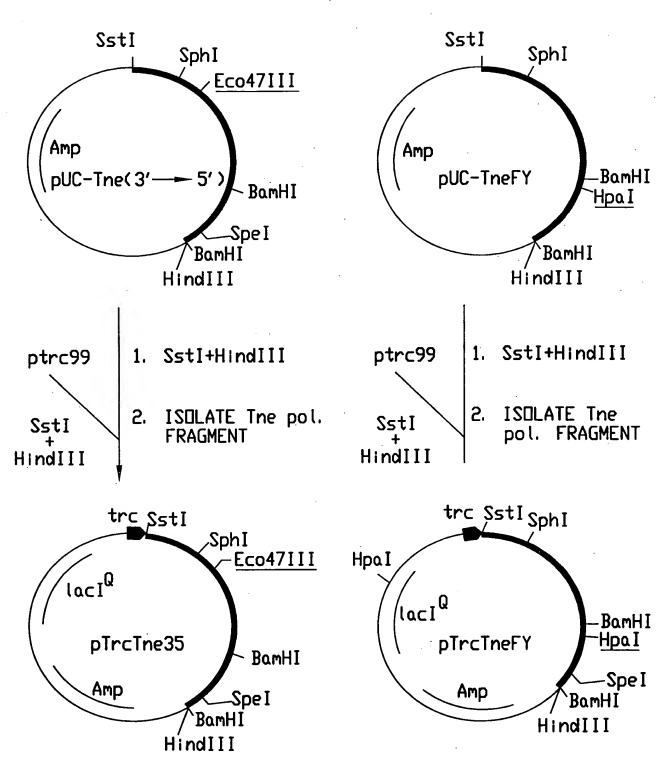
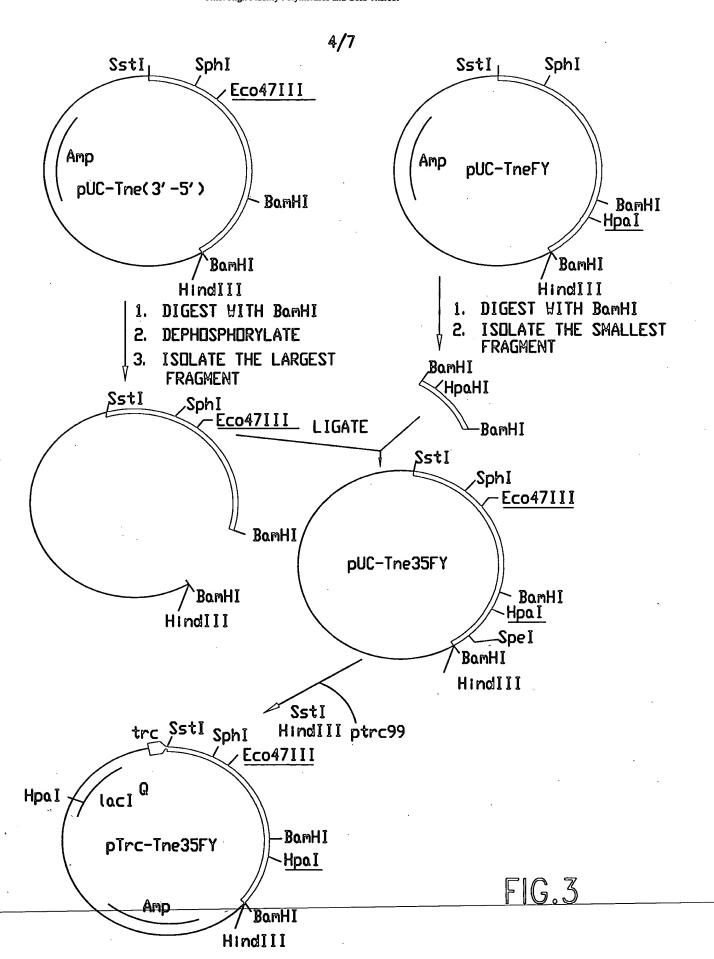


FIG.2B

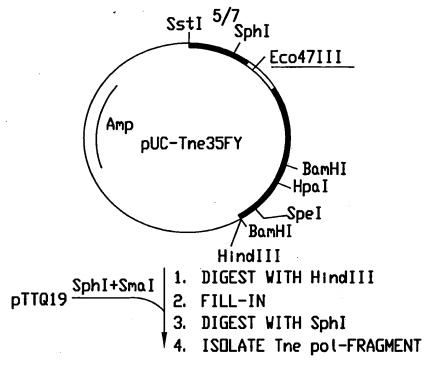
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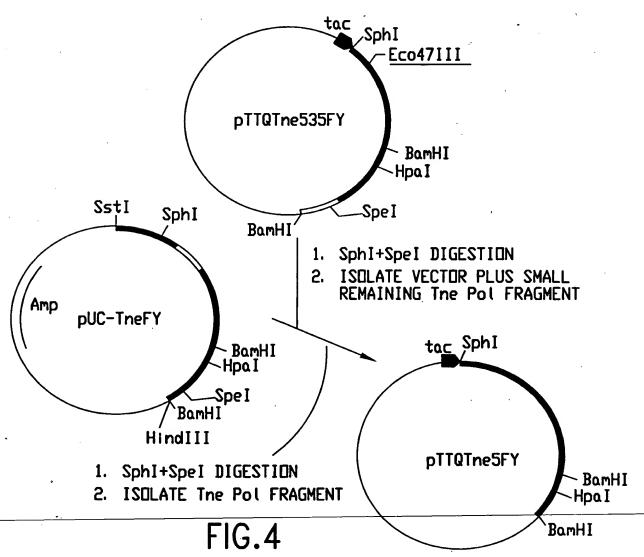
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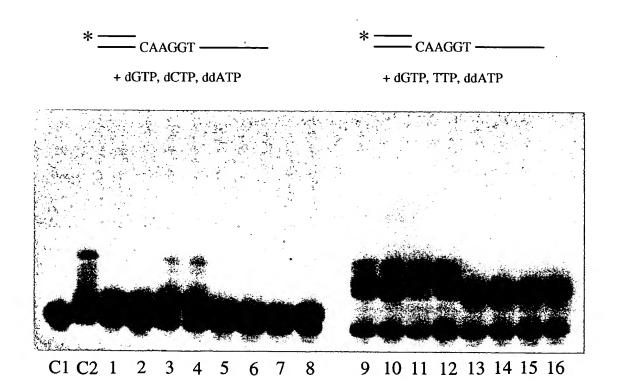




pl. No. 09/677,574; Filed: October 3, 2000 iJkt. No. 0942.4500004/RWE/BJD; Group Art Unit: 1652 Inventor(s): Yang et al.; Tel: 202/371-2600 Title: High Fidelity Polymerases and Uses Thereof

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Figure 5



C1 Primer alone
C2 Reaction with dGTP, dCTP, TTP, ddATP and Tne DNA Polymerase (D137A, D323A, F730Y)
1,2:9,10 Taq DNA Polymerase
3,4:11,12 Tne DNA Polymerase (D137A, D323A)
5,6:13,14 Tne DNA Polymerase (D137A, D323A, R722Y)
7,8:15,16 Tne DNA Polymerase (D137A, D323A, R722L)

pl. No. 09/677.574; Filed: October 3, 2000 Dkt. No. 0942.4500004/RWE/BJD; Group Art Unit: 1652 Inventor(s): Yang et al.; Tel: 202/371-2600 Title: High Fidelity Polymerases and Uses Thereof

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Figure 6

